

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/816,103	03/26/2001	Wesley Smith	0891-PC/NC	6241

7590 07/28/2004

Robert Platt Bell
8033 Washington Road
Alexandria, VA 22308

EXAMINER

NEURAUTER, GEORGE C

ART UNIT	PAPER NUMBER
----------	--------------

2143

DATE MAILED: 07/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/816,103

Applicant(s)

SMITH, WESLEY

Examiner

George C Neurauter, Jr.

Art Unit

2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 March 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>26 March 2001</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-17 are pending and have been examined.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-17 are rejected under 35 U.S.C. 102(e) as being anticipated by US

Patent 6 178 217 B1 to Defries et al.

Regarding claim 1, Defries discloses a network for use over electrical power supply lines, the network comprising:

a server system (referred to throughout Defries as “transmitter”) for generating compressed video data (“MPEG”; column 6, lines 19-21; column 14, lines 57-64) and for transmitting the compressed video data over a power bus (“conduit”, more specifically “powerline”; column 15, line 64-column 16, line 13; column 17, lines 3-9);

a power bus connected to said server system for receiving the compressed video data (“conduit”, more specifically “powerline”; column 15, line 64-column 16, line 13; column 17, lines 3-9); and

at least one terminal (“receiver”) coupled to said power bus for receiving compressed video data, decompressing the video data and displaying the video data on

Art Unit: 2143

local monitor, said at least one terminal further including an input device for receiving input signals from a user and for compressing the input signals as compressed input data and transmitting the compressed input data over the power bus, wherein the power bus receives the compressed input data and transmits said compressed input data to said server system, said server system decompressing said input data and generating compressed video data in response to the input signals. ("interactive video" and "bidirectional isochronous use of the bandwidth"; column 6, lines 19-21; column 14, lines 57-64)

Regarding claim 2, Defries discloses the network according to claim 1, wherein said server comprises:

a coder for generating the compressed video data as video change data ("MPEG"); (column 14, lines 57-64) and

a first modem ("mixer"; Figure 2, element 212), for generating a first channel of compressed video data on the power bus (column 8, lines 40-57; column 6, lines 19-21; column 6, line 48-column 7, line 10; column 14, lines 57-64).

Regarding claim 3, Defries discloses the network according to claim 2, wherein said at least one terminal further comprises:

a second modem ("mixer"; Figure 2, element 224), for receiving the first channel of compressed video data from the power bus (column 8, lines 40-57; column 6, lines 19-21; column 14, lines 57-64), and

a decoder for generating video data from the video change data ("MPEG") received from the first channel of compressed video data. (column 14, lines 57-64)

Regarding claim 4, Defries discloses the network according to claim 3, wherein said at least one terminal further comprises:

a coder for generating the compressed input data from the user input signals; wherein said second modem in least one terminal generates a second channel of compressed input data on the power bus. ("interactive video"; column 6, lines 19-21; column 6, line 48-column 7, line 10; column 14, lines 57-64)

Regarding claim 5, Defries discloses the network according to claim 4, wherein said first modem in said server receives the second channel of compressed input data from the power bus, wherein said server further comprises a decoder for generating input signals from the compressed input data from the second channel of compressed input data. ("interactive video"; column 6, lines 19-21; column 14, lines 57-64)

Regarding claim 6, Defries discloses a network of claim 5, wherein said first channel substantially larger in bandwidth than said second channel. (column 6, line 48-column 7, line 10, specifically column 6, lines 59-64)

Regarding claim 7, Defries discloses the network of claim 6, wherein said second channel comprises a keyboard compressed data channel and a mouse compressed data channel, and wherein said user input signals comprise mouse and keyboard inputs. ("interactive video"; column 6, lines 19-21; column 14, lines 57-64)

Claims 8-12 are also rejected since these claims recite a client terminal that contain substantially the same limitations as recited in claims 1, 2 and 3 in combination, 4 and 5 in combination, 6, and 7 respectively.

Art Unit: 2143

Claims 13-17 are also rejected since these claims recite a client terminal that contain substantially the same limitations as recited in claims 1, 2 and 3 in combination, 4 and 5 in combination, 6, and 7 respectively.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patent 5 090 024 A to Vander Mey et al;

US Patent 5 818 821 A to Schurig;

US Patent 6 144 292 A to Brown;

US Patent 6 282 405 B1 to Brown.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to George C Neurauter, Jr. whose telephone number is 703-305-4565. The examiner can normally be reached on Thursday 1-2pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on 703-308-5221. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2143

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

gcn



DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100